

TX9906A

RF Transmitter Module

(SAW filter stabilized) (DC 3 ~ 12 V)

Application

- 1) Industrial remote control, remote monitoring & sensing.
- 2) Wireless security alarm or low baud rates digital signal transmission receiver.
- 3) Remote control for household electrical appliances and electronic projects.

Technical Specifications

Operating voltage (Vcc): 3 ~ 12 V DC

Operating current: Max \leq 40 mA (12V), min \leq 2 mA (3V)

Oscillator: SAW (Surface Acoustic Wave) filter stabilized

Modulation: OOK, ASK

Frequency: 315 MHz

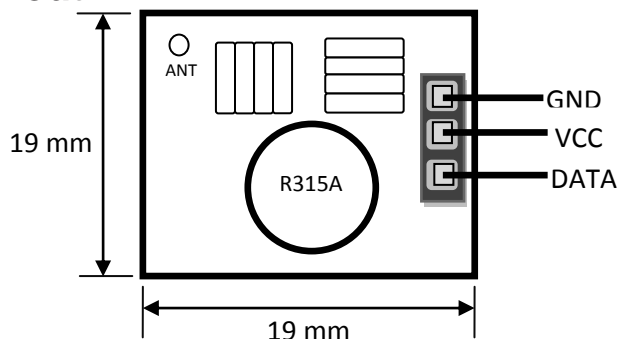
Frequency tolerance: \pm 150 KHz (max)

Transmission (RF) power: 50 mW (at 315 MHz & 12 V)

Data transmission rate: \leq 10K bps

Antenna length: 24 cm (315 MHz)

Dimensions & Pin-out



Label	Description
DATA	The Data pin of the transmitter
VCC	The power supply of the transmitter.
GND	The hole to solder and connect antenna length.
ANT	The hole to solder and connect antenna.

IMPORTANT NOTES

- 1) **Antenna:** Use any soft/hard wire with the specified length. If a telescopic antenna is used, be sure that it is fully extended. Length of antenna is important and frequency dependent (refer to the specs section above for the correct length).
- 2) If the transmitter module is housed in a metal casing, an external antenna should be used. For best result, use a 50 Ω coaxial cable for connecting the antenna to the module.